

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504308

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504308
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

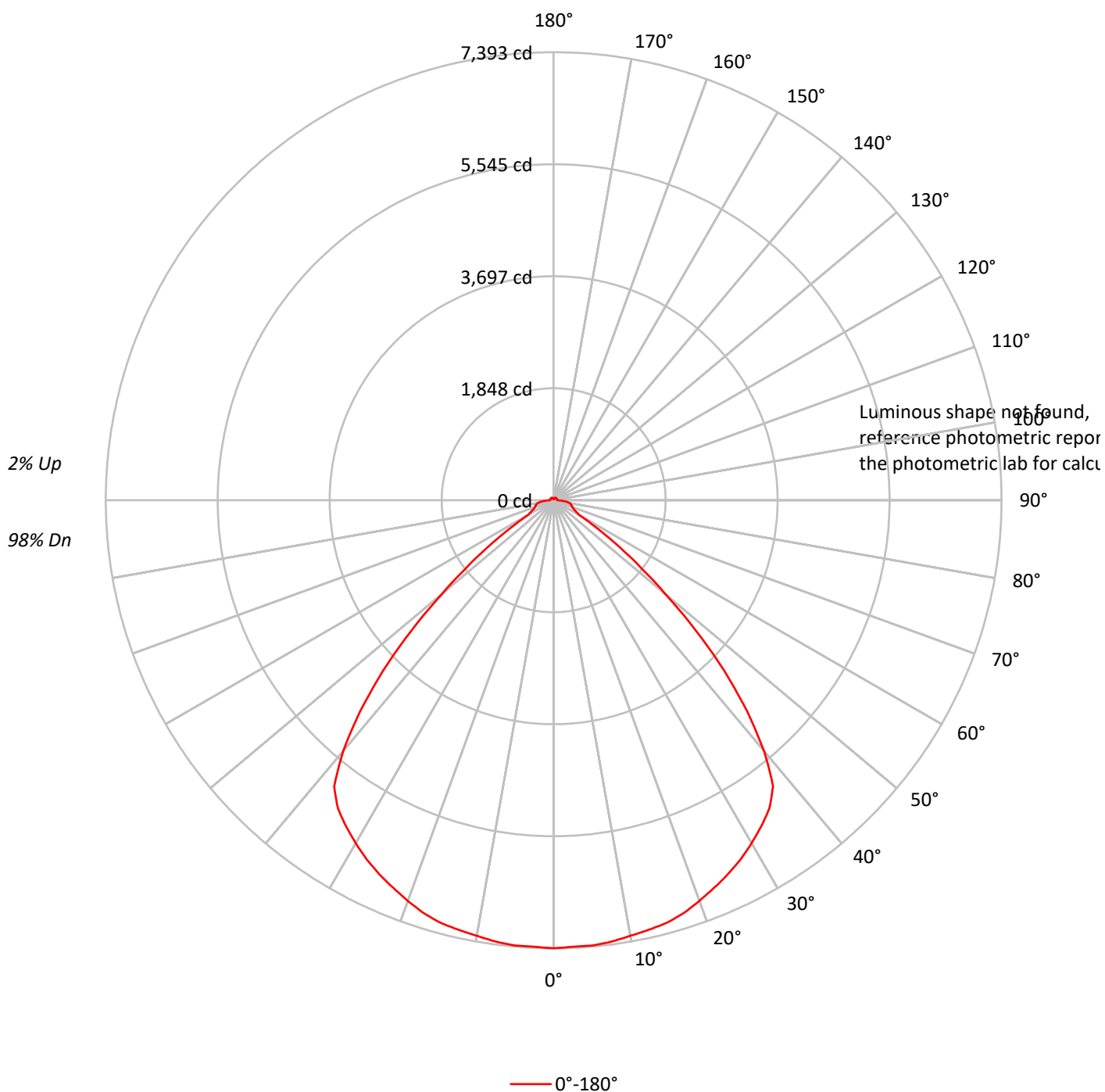
Lumens per Lamp: N/A
Luminaire Lumens: 15126.4 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20				
RC	80					70					50					30					10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100						98		
1	111	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89						87		
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79						77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70						68		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63						61		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56						54		
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50						49		
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46						44		
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41						40		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38						36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35						33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.4	4.6
10°-20°	2036.6	13.5
20°-30°	3140.5	20.8
30°-40°	3836.2	25.4
40°-50°	3027.1	20.0
50°-60°	1165.3	7.7
60°-70°	386.7	2.6
70°-80°	315.0	2.1
80°-90°	186.6	1.2
90°-100°	63.0	0.4
100°-110°	61.8	0.4
110°-120°	56.6	0.4
120°-130°	48.9	0.3
130°-140°	39.8	0.3
140°-150°	30.6	0.2
150°-160°	19.5	0.1
160°-170°	8.6	0.1
170°-180°	2.0	0.0
0°-30°	5878.6	38.9
0°-40°	9714.7	64.2
0°-60°	13907.2	91.9
0°-90°	14795.5	97.8
90°-120°	181.4	1.2
90°-150°	300.7	2.0
90°-180°	331.0	2.2
0°-180°	15126.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7393	
5°	7374	701
15°	7220	2037
25°	6808	3141
35°	6208	3836
45°	3983	3027
55°	1248	1165
65°	382	387
75°	300	315
85°	180	162
90°	58	40
95°	58	47
105°	59	62
115°	57	57
125°	54	49
135°	51	40
145°	48	31
155°	42	20
165°	29	9
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7392.6
2.5°	7374.3
5°	7374.3
7.5°	7346.2
10°	7297.9
12.5°	7260.2
15°	7219.7
17.5°	7143.3
20°	7036.0
22.5°	6922.0
25°	6808.0
27.5°	6682.4
30°	6534.5
32.5°	6378.9
35°	6207.9
37.5°	5949.9
40°	5403.9
42.5°	4729.3
45°	3983.3
47.5°	3183.2
50°	2405.3
52.5°	1775.2
55°	1247.6
57.5°	798.2
60°	491.9
62.5°	426.2
65°	381.7
67.5°	345.0
70°	327.6
72.5°	312.1
75°	300.5
77.5°	285.1
80°	260.9
82.5°	227.1
85°	179.7
87.5°	118.9
90°	58.0
92.5°	57.0
95°	58.0
97.5°	58.0
100°	58.0
102.5°	58.9
105°	58.9
107.5°	58.0
110°	58.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	58.0
115°	57.0
117.5°	56.0
120°	56.0
122.5°	55.1
125°	54.1
127.5°	54.1
130°	53.1
132.5°	52.2
135°	51.2
137.5°	50.3
140°	50.3
142.5°	49.3
145°	48.3
147.5°	48.3
150°	47.4
152.5°	45.4
155°	41.6
157.5°	38.7
160°	35.8
162.5°	32.9
165°	29.0
167.5°	27.1
170°	24.2
172.5°	22.2
175°	19.3
177.5°	18.4
180°	18.4

(END OF REPORT)